

# CAPE WINDELANDS DISTRICT MUNICIPALITY



CAPE WINELANDS DISTRICT  
MUNICIPALITY • MUNISIPALITEIT • UMASIPALA

## WESTERN CAPE PROVINCE

### ISSUE FOR APPROVAL

Client:



CAPE WINDELANDS DISTRICT  
MUNICIPALITY

P.O BOX 91  
CAPE WINELANDS DISTRICT  
6850

Tel: 023 348 2300  
Email: [admin@capewinlands.co.za](mailto:admin@capewinlands.co.za)

Consulting Engineer:



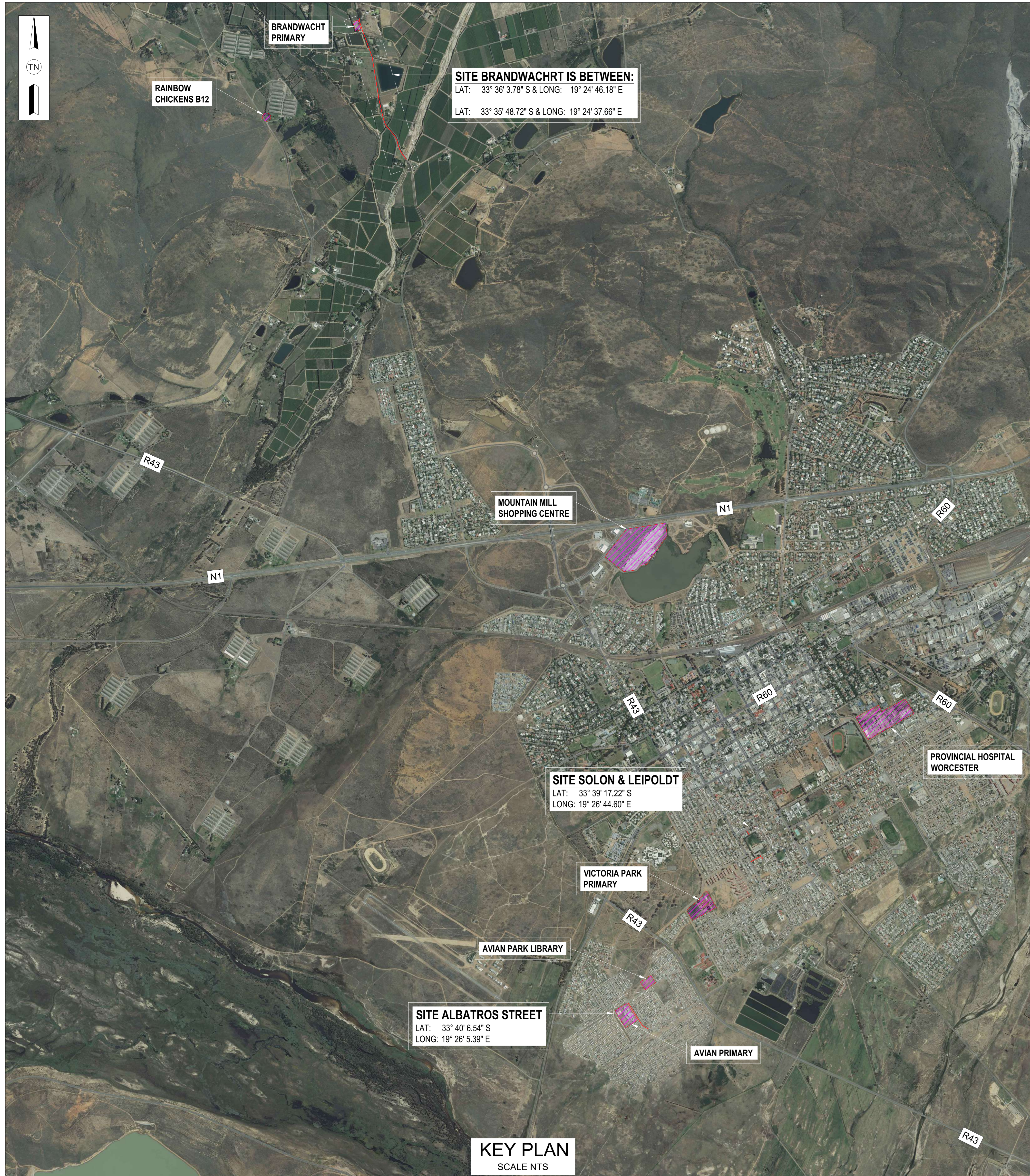
2MC CONSULTING ENGINEERS

THE COLOSSESEUM FOYER 3,  
1ST FLOOR, CENTURY WAY CITY  
CAPE TOWN  
7441



Postal Address  
PO BOX 98  
HENBYL  
1903

TEL: 011 615 2302  
CELL: 063 289 7706



DRAWING NUMBER	DESCRIPTION
CIV - 100 - KP - 001	KEY PLAN & DRAWING REGISTER
<b>SIDE WALKS</b>	
CIV- 100- LP - 001	SOLON STREET LAYOUT PLAN
CIV-100 - LP - 002	LEIPOLDT STREET LAYOUT PLAN
CIV- 100- LP - 003	ALBATROS STREET LAYOUT PLAN
CIV- 100- LP - 004	BRANDWACHT LAYOUT PLAN
CIV- 100- LP - 005	BRANDWACHT LAYOUT PLAN
CIV- 100- LP - 006	BRANDWACHT LAYOUT PLAN
<b>TYPICAL DETAIL</b>	
CIV - 100 - TD - 001	TYPICAL DETAIL: SIDE WALK
CIV - 100 - TD - 002	TYPICAL SPEED HUMP DETAILS
CIV - 100 - TD - 003	KERB DETAILS

X:\2\MCIP\Projects\2025\01-2025-RD Breedvalley Sidewalks\5. Drawings and Designs\1. Civil\2. Current Drawings\2. Detailed Design\Drawg\CIV-100-KP-001.dwg

**UPGRADING OF BREEDVALLEY SIDEWALKS**

KEY PLAN & DRAWING REGISTER

INFORMATION MANAGEMENT	DATE 2025/08/19	SCALE AS SHOWN
DESIGNED P. SHAZI PR No: 2023601004	SHEET NO: 1 OF 1	
DRAWN F. MATHEBE	CONSULTANT PROJECT NO: 01-2025-RD	
CHECKED T. MALAKA PR No: 201370136	REV: A	DISC: CIVIL
	DWG SIZE A1	
	DRAWING NUMBER CIV 100-KP-001	

AMENDMENTS				
REV	DATE	APPROVED	DESCRIPTION	BY
A	2025/08/19	T. MALAKA	ISSUED FOR STAGE 3 APPROVAL	H.F.M

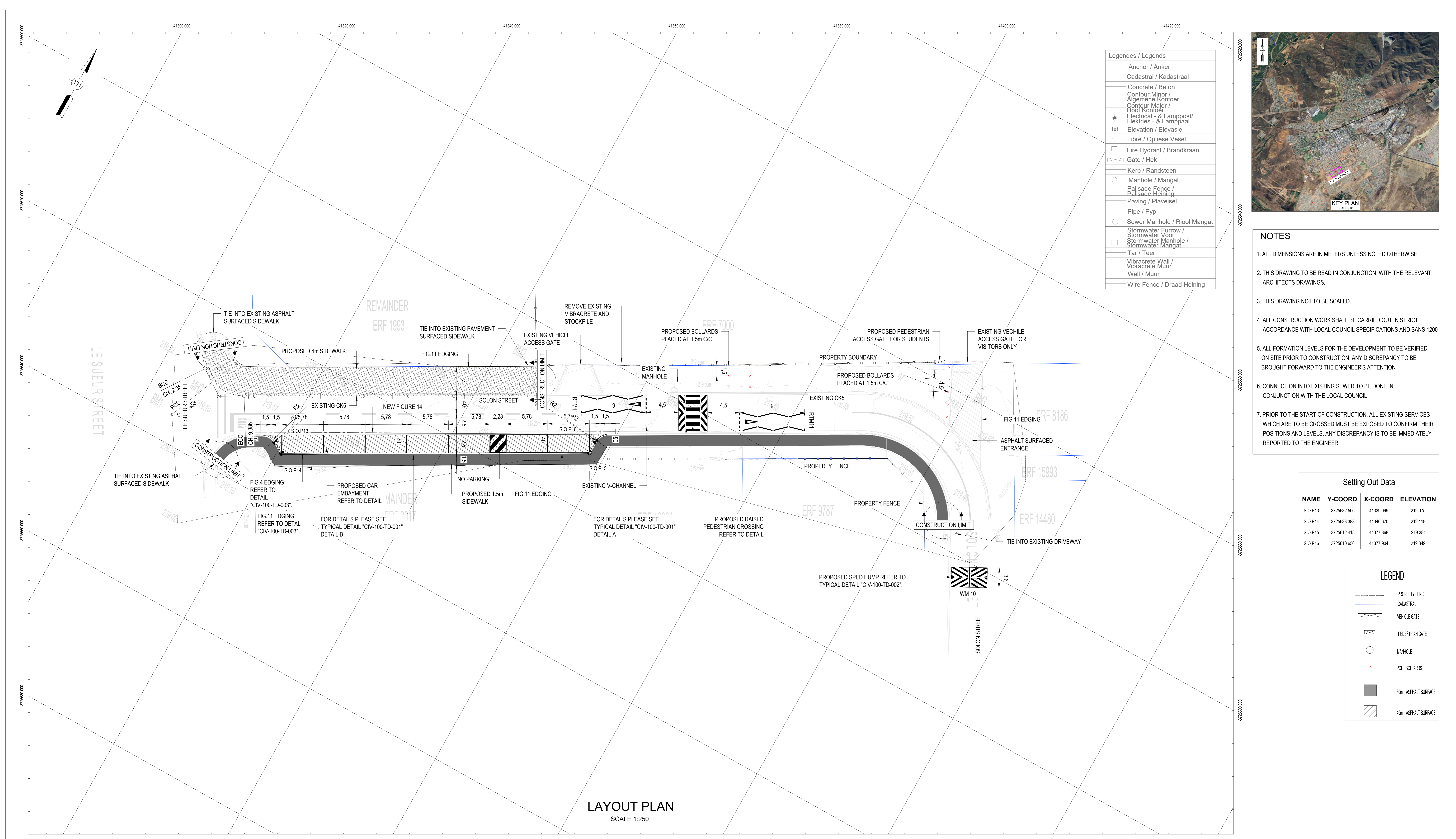
**CONSULTANT:**  
 2MC CONSULTING ENGINEERS  
 THE COLOSSEUM FOYER 3,  
 1ST FLOOR, CENTURY WAY CITY  
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**Legendes / Legends**

- Anchor / Anker
- Cadastral / Kadastraal
- Concrete / Beton
- Contour Minor / Algemene Kontoor
- Contour Major / Hoof Kontoor
- Electrical - & Lamppost / Elektries - & Lamppaal
- bt Elevation / Elevasie
- Fibre / Optiese Vesel
- Fire Hydrant / Brandkraan
- Gate / Hek
- Kerb / Randsteen
- Manhole / Mangat
- Palisade Fence / Palisade Heining
- Paving / Plaveisel
- Pipe / Pyp
- Sewer Manhole / Riool Mangat
- Stormwater Furrow / Stormwater Voor
- Stormwater Manhole / Stormwater Mangat
- Tar / Teer
- Vibracrete Wall / Vibracrete Muur
- Wall / Muur
- Wire Fence / Draad Heining



- NOTES**
1. ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE
  2. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE RELEVANT ARCHITECTS DRAWINGS.
  3. THIS DRAWING NOT TO BE SCALED.
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**Setting Out Data**

NAME	Y-COORD	X-COORD	ELEVATION
S.O.P13	-3725632.506	41339.099	219.075
S.O.P14	-3725633.388	41340.670	219.119
S.O.P15	-3725612.418	41377.868	219.381
S.O.P16	-3725610.656	41377.904	219.349

**LEGEND**

- PROPERTY FENCE
- CADASTRAL
- VEHICLE GATE
- PEDESTRIAN GATE
- MANHOLE
- POLE BOLLARDS
- 30mm ASPHALT SURFACE
- 40mm ASPHALT SURFACE

**LAYOUT PLAN**  
SCALE 1:250

**AMENDMENTS**

REV	DATE	APPROVED	DESCRIPTION	BY
A	2025/07/25	T.MALAKA	ISSUED FOR APPROVAL	H.F.M
B	2025/10/28	T.MALAKA	ISSUED FOR STAGE 3 APPROVAL	H.F.M

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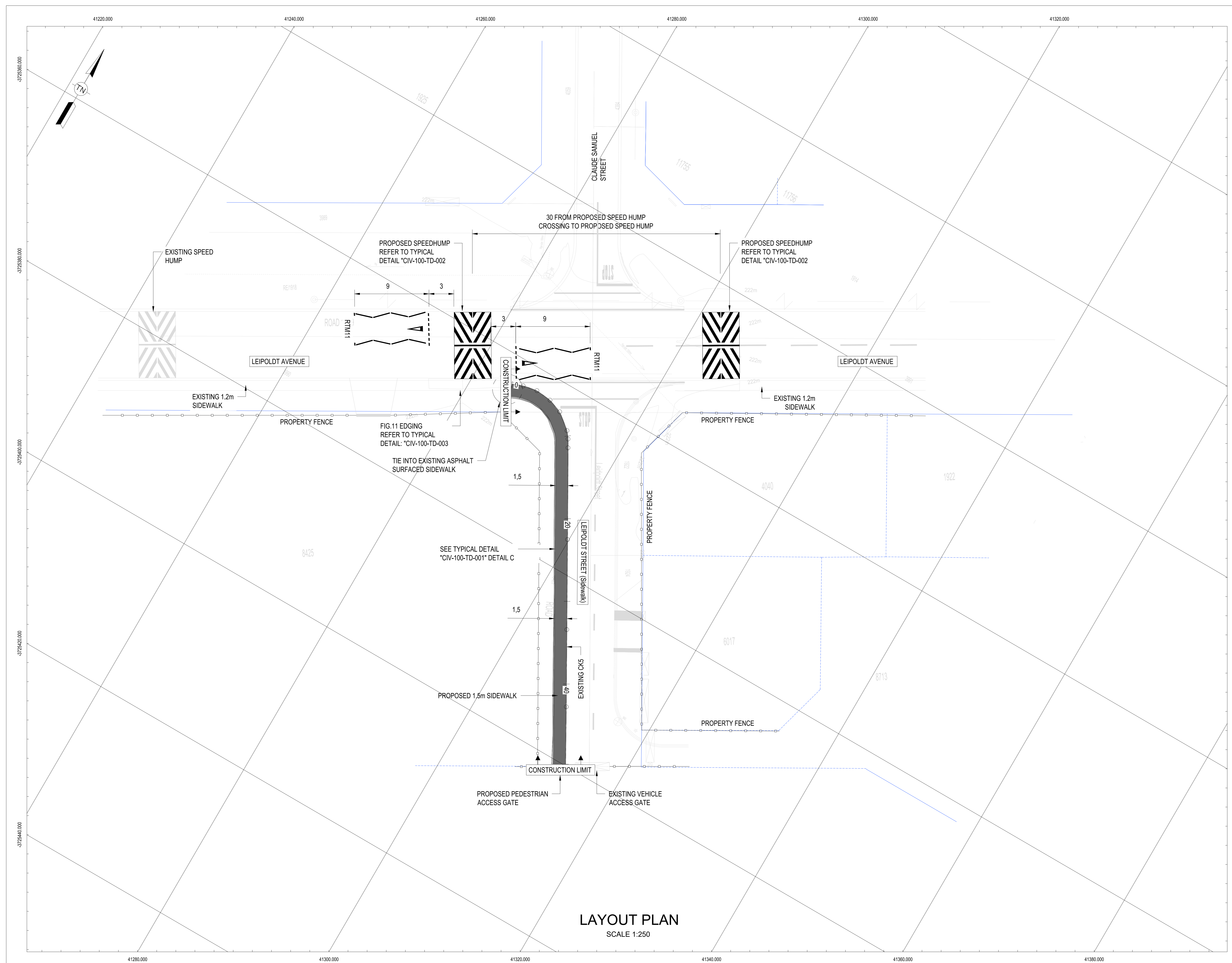
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**UPGRADING OF BREEDVALLEY SIDEWALKS**

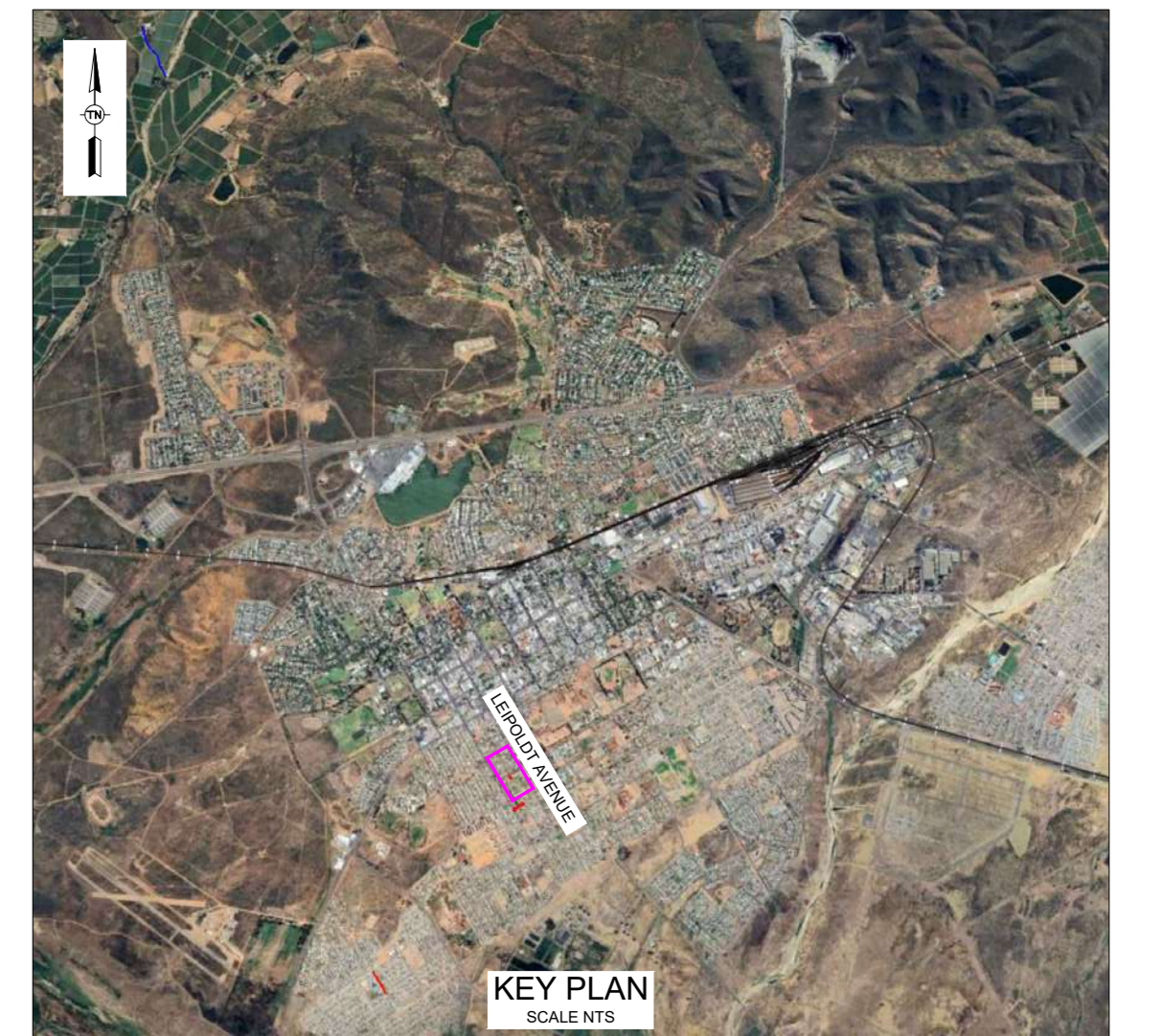
**SOLON STREET LAYOUT PLAN**

INFORMATION MANAGEMENT	DATE	SCALE
DESIGNED P.SHAZI PR No: 2023601004	2025/07/25	AS SHOWN
DRAWN F.MATHEBE	SHEET NO: 1 OF 6	CONSULTANT PROJECT NO: 01-2025-RD
CHECKED T.MALAKA PR No: 201370136	REV: B	DISC: CIVIL
	DWG SIZE A1	DRAWING NUMBER CIV-100-LP-001



**LEGEND**

- LAMP POST
- BENCHMARK
- VALVE
- TREE
- SEWER MANHOLE CONDUIT
- TELKOM MANHOLE
- SEWER MANHOLE
- WALL FENCE
- GATE
- BOUNDARY LINES
- CONCRETE SLAB
- PRECAST WALL
- PAVEMENT
- ADJOINING PROPERTIES
- TOP AND BOTTOM DRAIN
- FENCE
- SEWER LINE
- POWER LINE
- TAR ROAD
- DRAINAGE PIPE
- CULVERT
- ARROW MARK
- STAYWIRE



- NOTES**
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**LEGEND**

- PROPERTY FENCE
- CADASTRAL
- VEHICLE GATE
- PEDESTRIAN GATE
- MANHOLE
- POLE BOLLARDS
- 30mm ASPHALT SURFACE
- 40mm ASPHALT SURFACE

**LAYOUT PLAN**  
SCALE 1:250

**AMENDMENTS**

REV	DATE	APPROVED	DESCRIPTION	BY
A	2025/07/25	T.MALAKA	ISSUED FOR APPROVAL	H.F.M
B	2025/10/28	T.MALAKA	ISSUED FOR STAGE 3 APPROVAL	H.F.M

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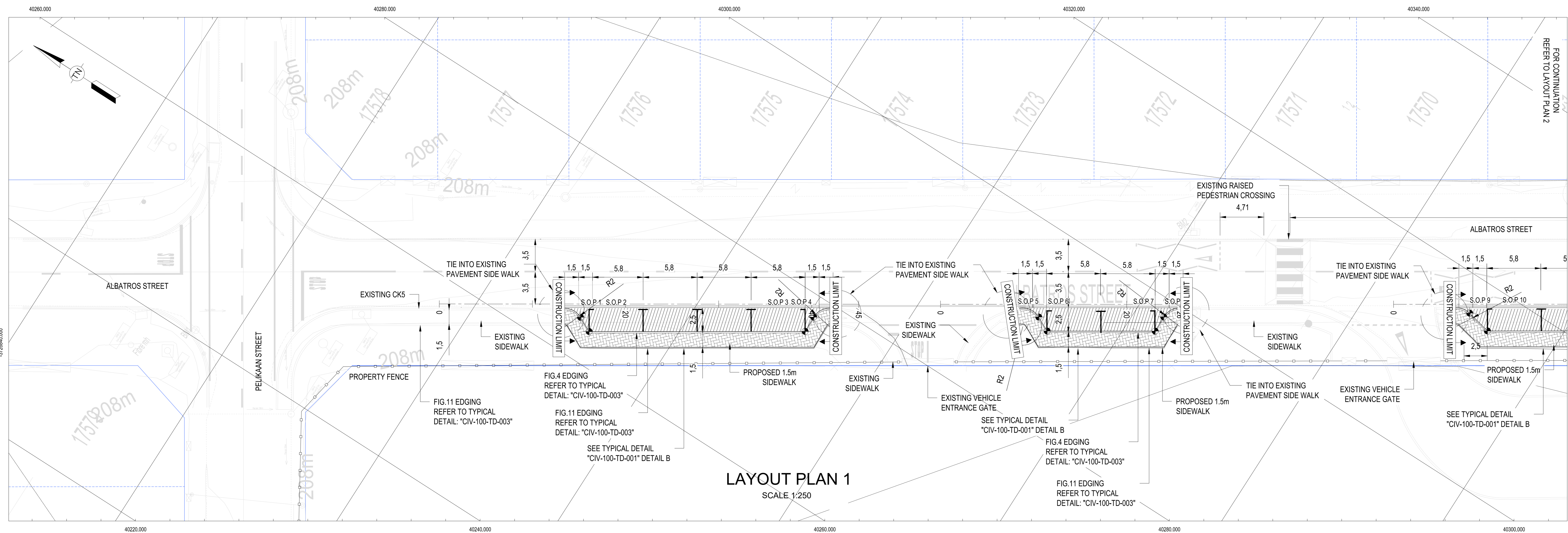
**CLIENT:**  
CAPE WINELANDS DISTRICT MUNICIPALITY  
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CAPE WINELANDS DISTRICT  
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Tel: 023 348 2300  
Email: admin@capewineland.co.za



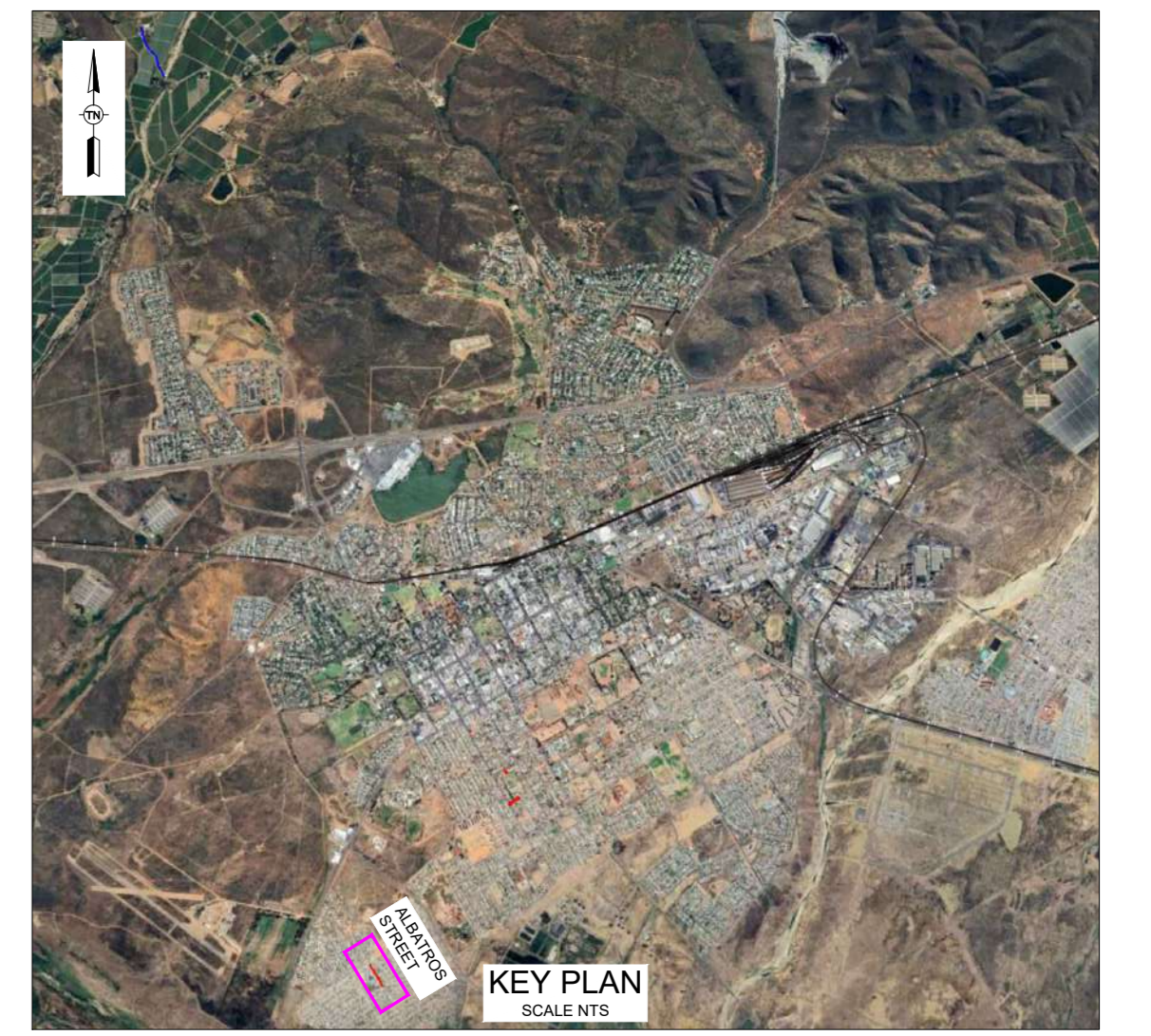
**UPGRADING OF BREEDVALLEY SIDEWALKS**

**LEIPOLDT STREET LAYOUT PLAN**

INFORMATION MANAGEMENT		DATE	SCALE
DESIGNED P.SHAZI		2025/07/25	AS SHOWN
DRAWN F.MATHEBE		SHEET NO: 2 OF 6	
CHECKED T.MALAKA		CONSULTANT PROJECT NO: 01-2025-RD	
PR No: 201370136		REV: B	DISC: CIVIL
		DWG SIZE A1	
		DRAWING NUMBER CIV-100-LP-002	

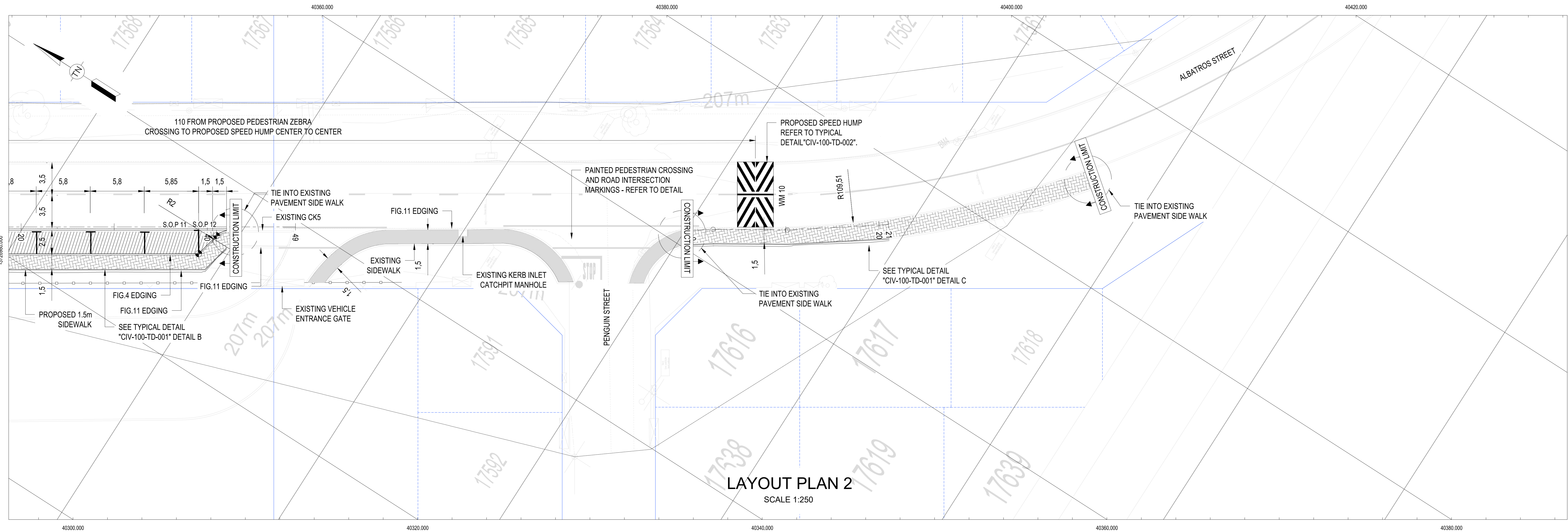


LAYOUT PLAN 1  
SCALE 1:250



NOTES

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LAYOUT PLAN 2  
SCALE 1:250

Setting Out Data

NAME	Y-COORD	X-COORD	ELEVATION
S.O.P.1	-3726890.228	40264.250	207.441
S.O.P.2	-3726891.826	40263.460	207.476
S.O.P.3	-3726891.341	40276.006	207.390
S.O.P.4	-3726891.286	40277.789	207.349
S.O.P.5	-3726931.629	40290.864	207.213
S.O.P.6	-3726933.199	40290.085	207.244
S.O.P.7	-3726942.964	40296.346	207.158
S.O.P.8	-3726942.911	40298.129	207.113
S.O.P.9	-3726970.358	40316.218	206.926
S.O.P.10	-3726972.990	40315.643	206.963
S.O.P.11	-3726997.371	40331.311	206.600
S.O.P.12	-3726997.951	40333.968	206.741

LEGEND

	PROPERTY FENCE
	CADASTRAL
	VEHICLE GATE
	PEDESTRIAN GATE
	MANHOLE
	POLE BOLLARDS
	30mm ASPHALT SURFACE
	40mm ASPHALT SURFACE

AMENDMENTS

REV	DATE	APPROVED	DESCRIPTION	BY
A	2025/07/25	T.MALAKA	ISSUED FOR APPROVAL	H.F.M
B	2025/10/28	T.MALAKA	ISSUED FOR STAGE 3 APPROVAL	H.F.M

CONSULTANT:  
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1ST FLOOR, CENTURY WAY CITY  
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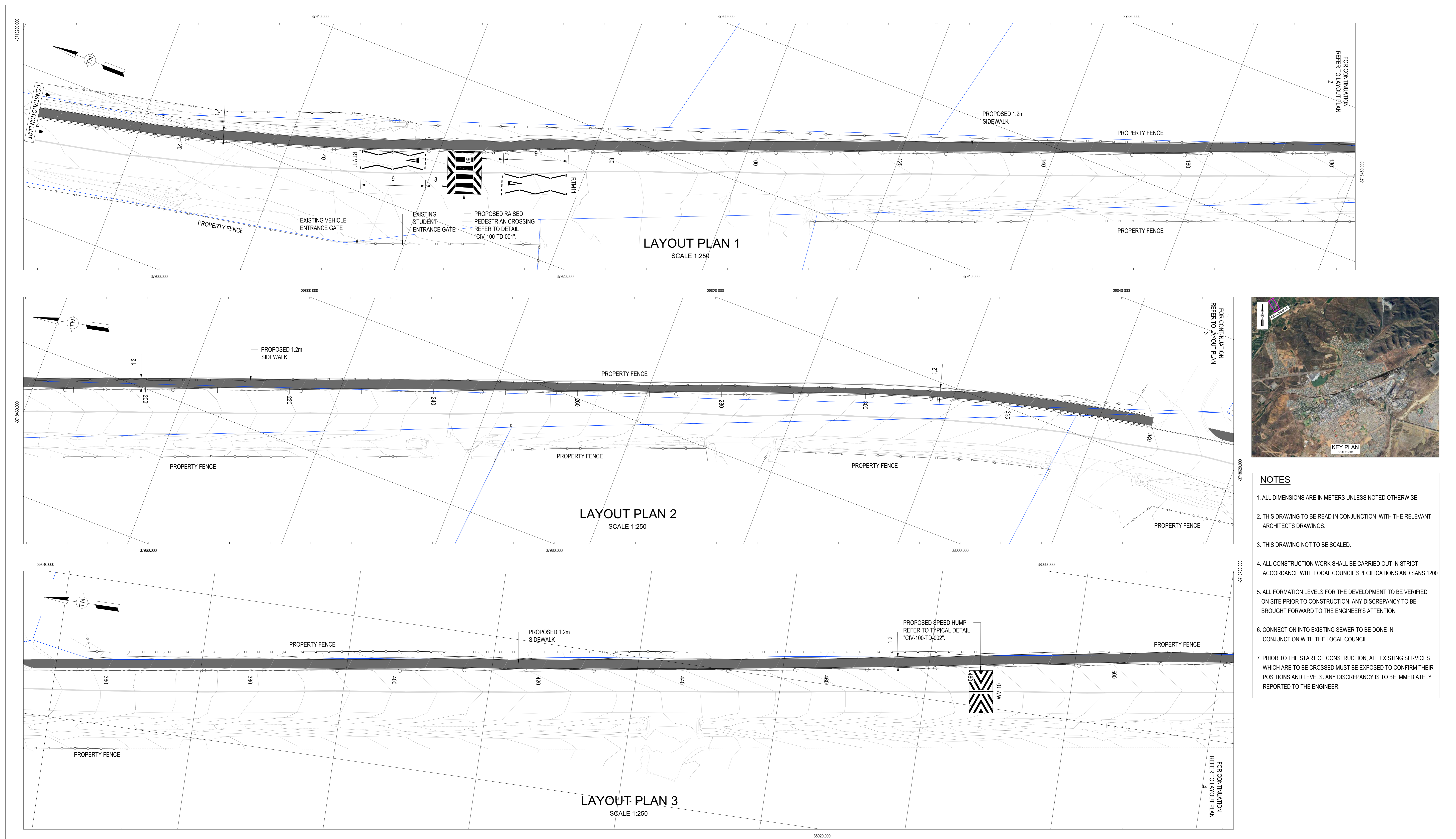
CLIENT:  
CAPE WINELANDS DISTRICT  
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P.O BOX 91  
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6850  
Tel: 023 348 2300  
Email: admin@capewineland.co.za



UPGRADING OF BREEDVALLEY SIDEWALKS

ALBATROS STREET LAYOUT PLAN

INFORMATION MANAGEMENT	DATE	SCALE
DESIGNED P.SHAZI	2025/07/25	AS SHOWN
PR No: 2023601004	SHEET NO: 3 OF 6	
DRAWN F.MATHEBE	CONSULTANT PROJECT NO: 01-2025-RD	
CHECKED T.MALAKA	REV: B	DISC: CIVIL
PR No: 201370136	DWG SIZE A1	
	DRAWING NUMBER CIV-100-LP-003	



- NOTES**
1. ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE
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AMENDMENTS				
REV	DATE	APPROVED	DESCRIPTION	BY
A	2025/07/25	T.MALAKA	ISSUED FOR APPROVAL	H.F.M
B	2025/10/28	T.MALAKA	ISSUED FOR STAGE 3 APPROVAL	H.F.M

**CONSULTANT:**

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**CLIENT:**

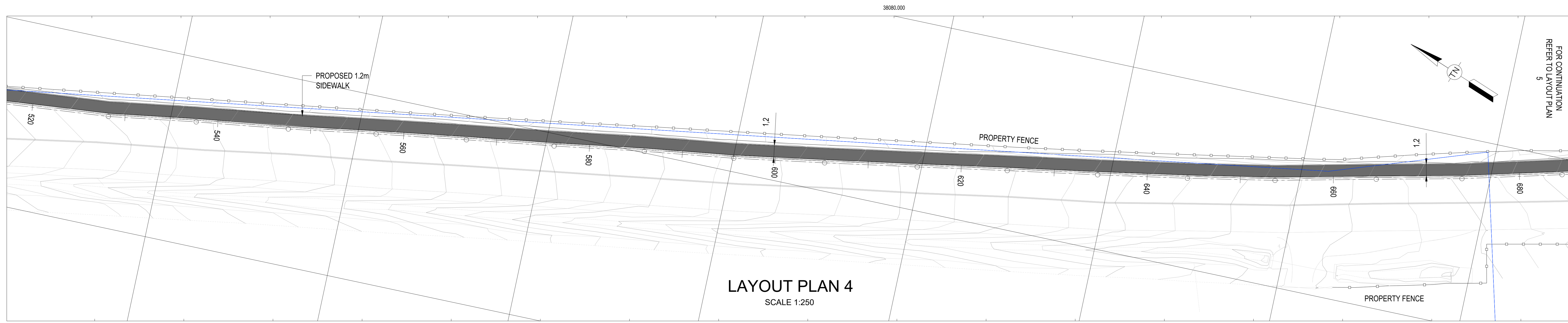
CAPE WINELANDS DISTRICT MUNICIPALITY  
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**UPGRADING OF BREEDVALLEY SIDEWALKS**

**BRANDWACHT LAYOUT PLAN**

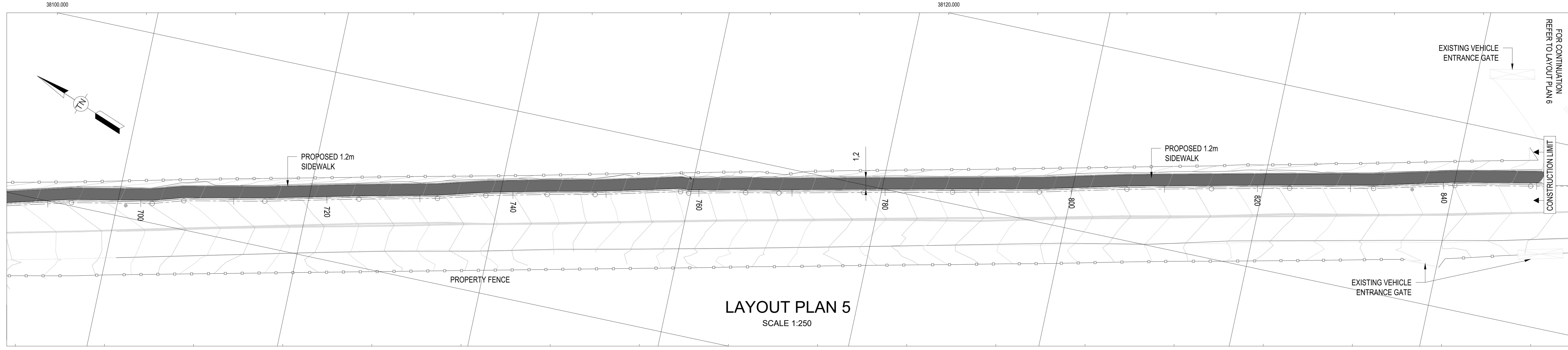
INFORMATION MANAGEMENT		DATE	SCALE
DESIGNED P.SHAZI		2025/07/25	AS SHOWN
DRAWN F.MATHEBE		SHEET NO: 4 OF 6	
CHECKED T.MALAKA		CONSULTANT PROJECT NO: 01-2025-RD	
PR No: 201370136		REV: B	DISC: CIVIL
		DWG SIZE A1	
		DRAWING NUMBER CIV-100-LP-004	



LAYOUT PLAN 4  
SCALE 1:250



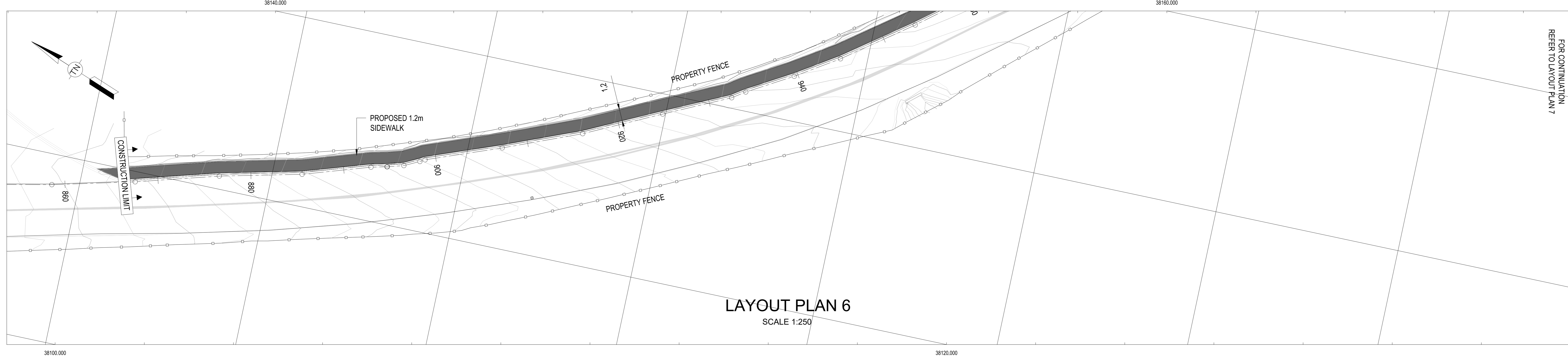
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LAYOUT PLAN 5  
SCALE 1:250

**LEGEND**

	PROPERTY FENCE
	CADASTRAL
	VEHICLE GATE
	PEDESTRIAN GATE
	MANHOLE
	POLE BOLLARDS
	30mm ASPHALT SURFACE
	40mm ASPHALT SURFACE



LAYOUT PLAN 6  
SCALE 1:250

**AMENDMENTS**

REV	DATE	APPROVED	DESCRIPTION	BY
A	2025/07/25	T.MALAKA	ISSUED FOR APPROVAL	H.F.M
B	2025/10/28	T.MALAKA	ISSUED FOR STAGE 3 APPROVAL	H.F.M

**CONSULTANT:**  
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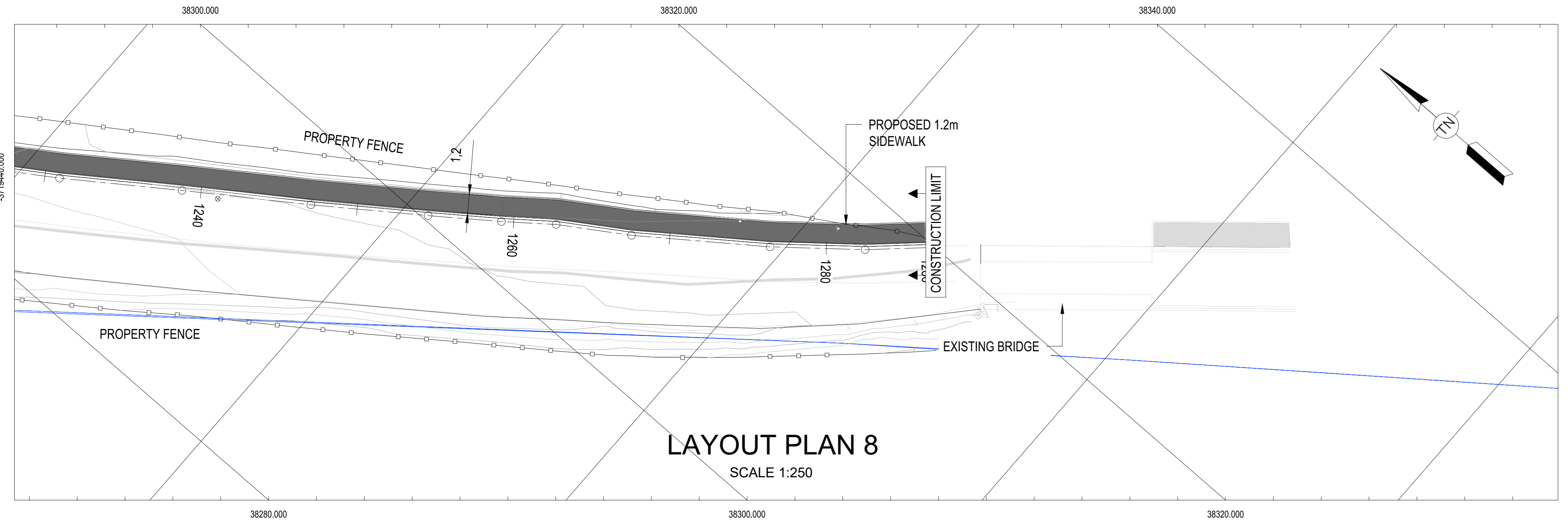
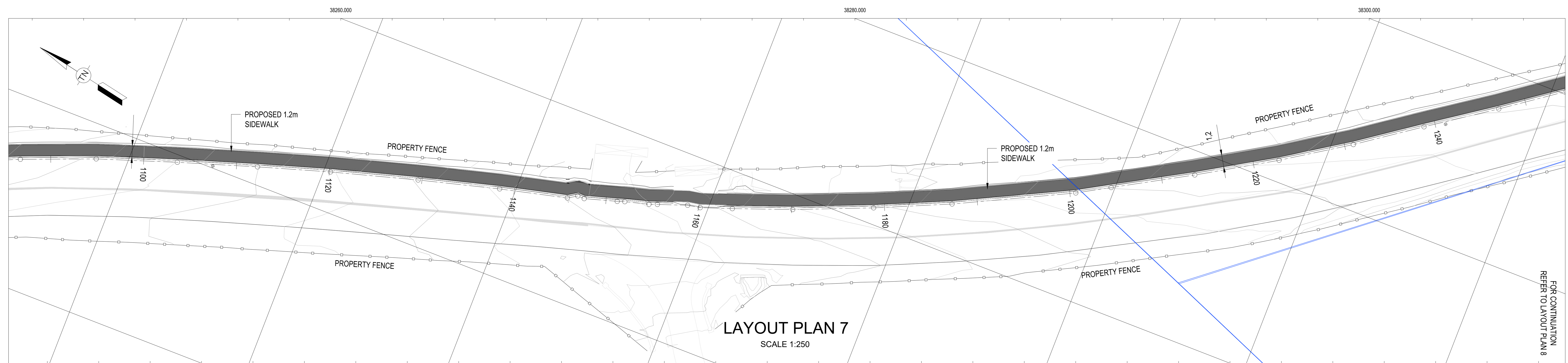
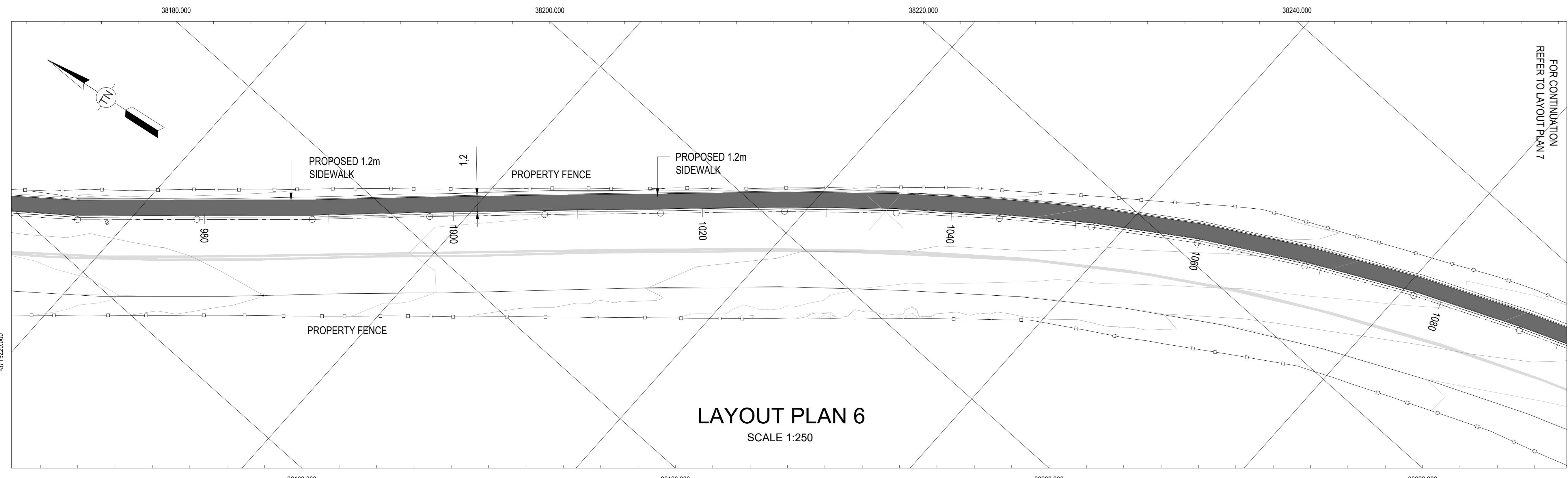
**CLIENT:**  
 CAPE WINELANDS DISTRICT MUNICIPALITY  
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 CAPE WINELANDS DISTRICT  
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**UPGRADING OF BREEDVALLEY SIDEWALKS**

**BRANDWACHT LAYOUT PLAN**

INFORMATION MANAGEMENT		DATE	SCALE
DESIGNED P.SHAZI		2025/07/25	AS SHOWN
DRAWN F.MATHEBE		SHEET NO: 5 OF 6	
CHECKED T.MALAKA		CONSULTANT PROJECT NO: 01-2025-RD	
PR No: 201370136		REV: B	DISC: CIVIL
		DWG SIZE A1	
		DRAWING NUMBER CIV-100-LP-005	



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**LEGEND**

	PROPERTY FENCE
	CADASTRAL
	VEHICLE GATE
	PEDESTRIAN GATE
	MANHOLE
	POLE BOLLARDS
	30m ASPHALT SURFACE
	40m ASPHALT SURFACE

**AMENDMENTS**

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B	2025/10/28	T.MALAKA	ISSUED FOR STAGE 3 APPROVAL	H.F.M

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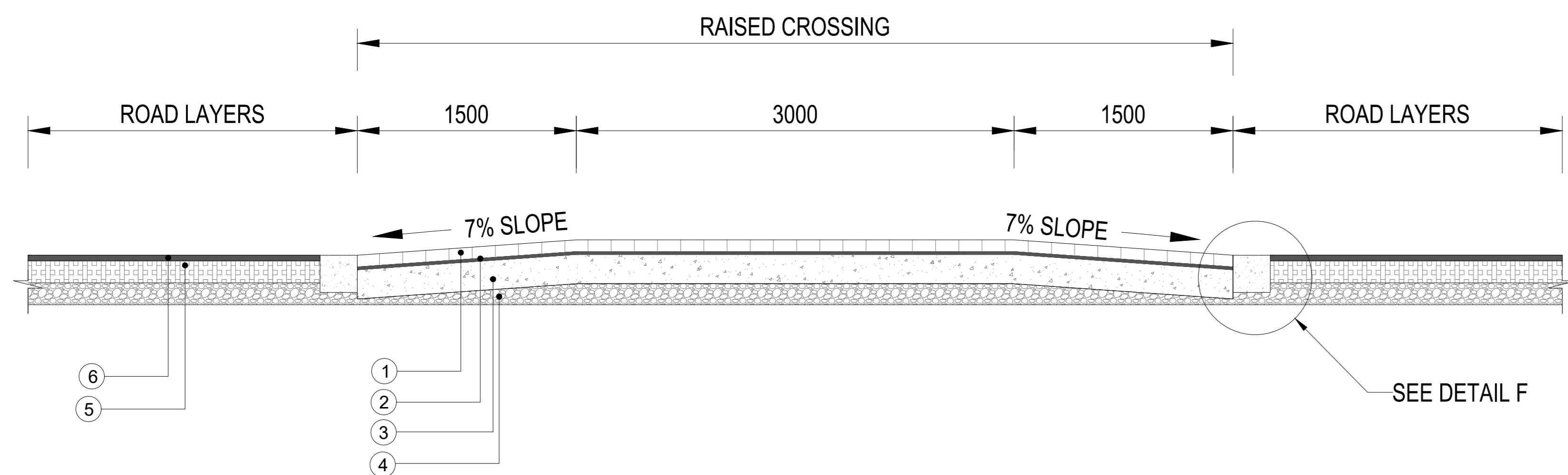


**UPGRADING OF BREEDVALLEY SIDEWALKS**

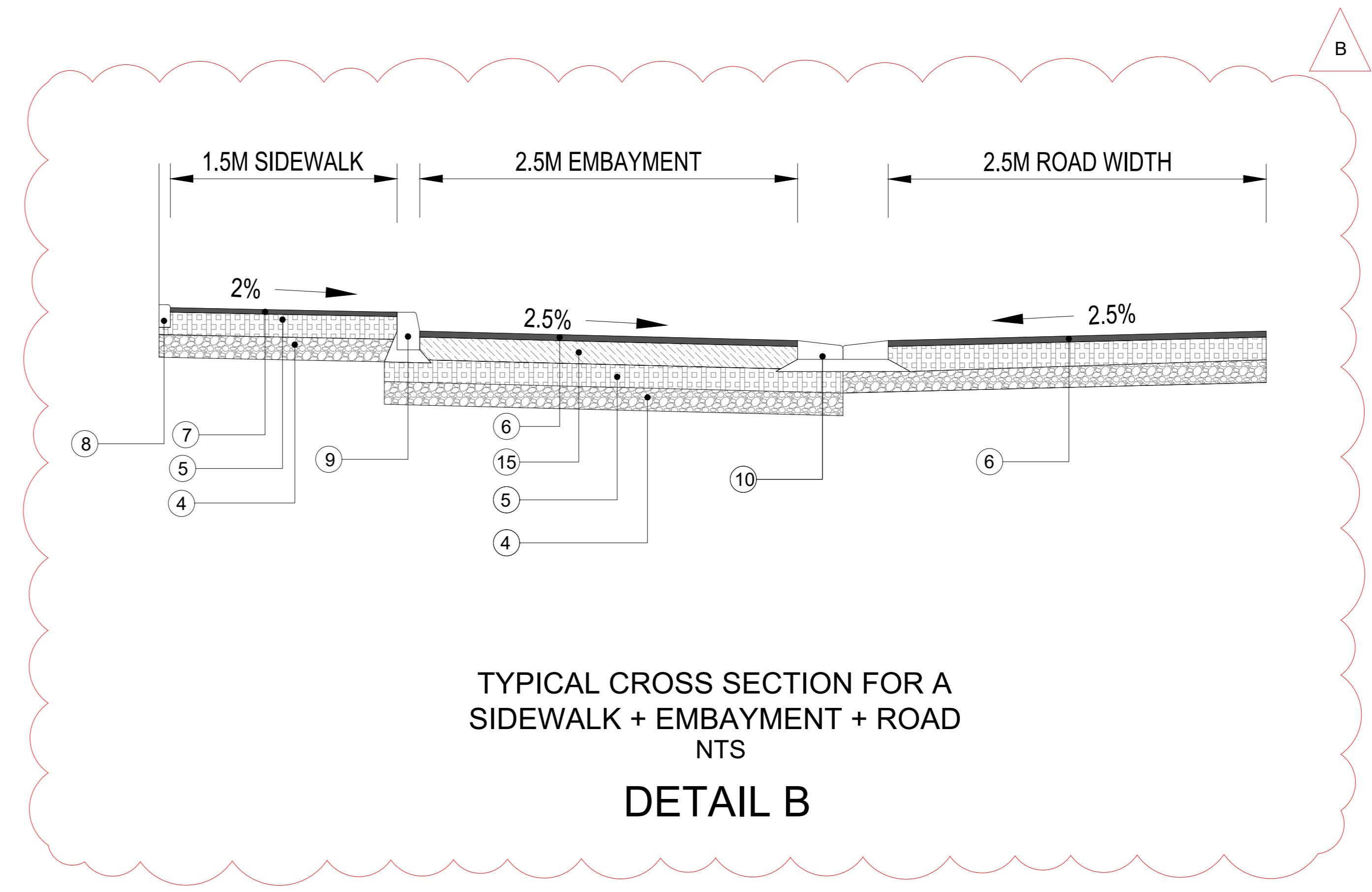
**BRANDWACHT LAYOUT PLAN**

INFORMATION MANAGEMENT		DATE	SCALE
DESIGNED P.SHAZI		2025/07/25	AS SHOWN
DRAWN F.MATHEBE		SHEET NO: 6 OF 6	
CHECKED T.MALAKA		CONSULTANT PROJECT NO: 01-2025-RD	
PR No: 201370136		REV: B	DISC: CIVIL
		DWG SIZE A1	
		DRAWING NUMBER CIV-100-LP-006	

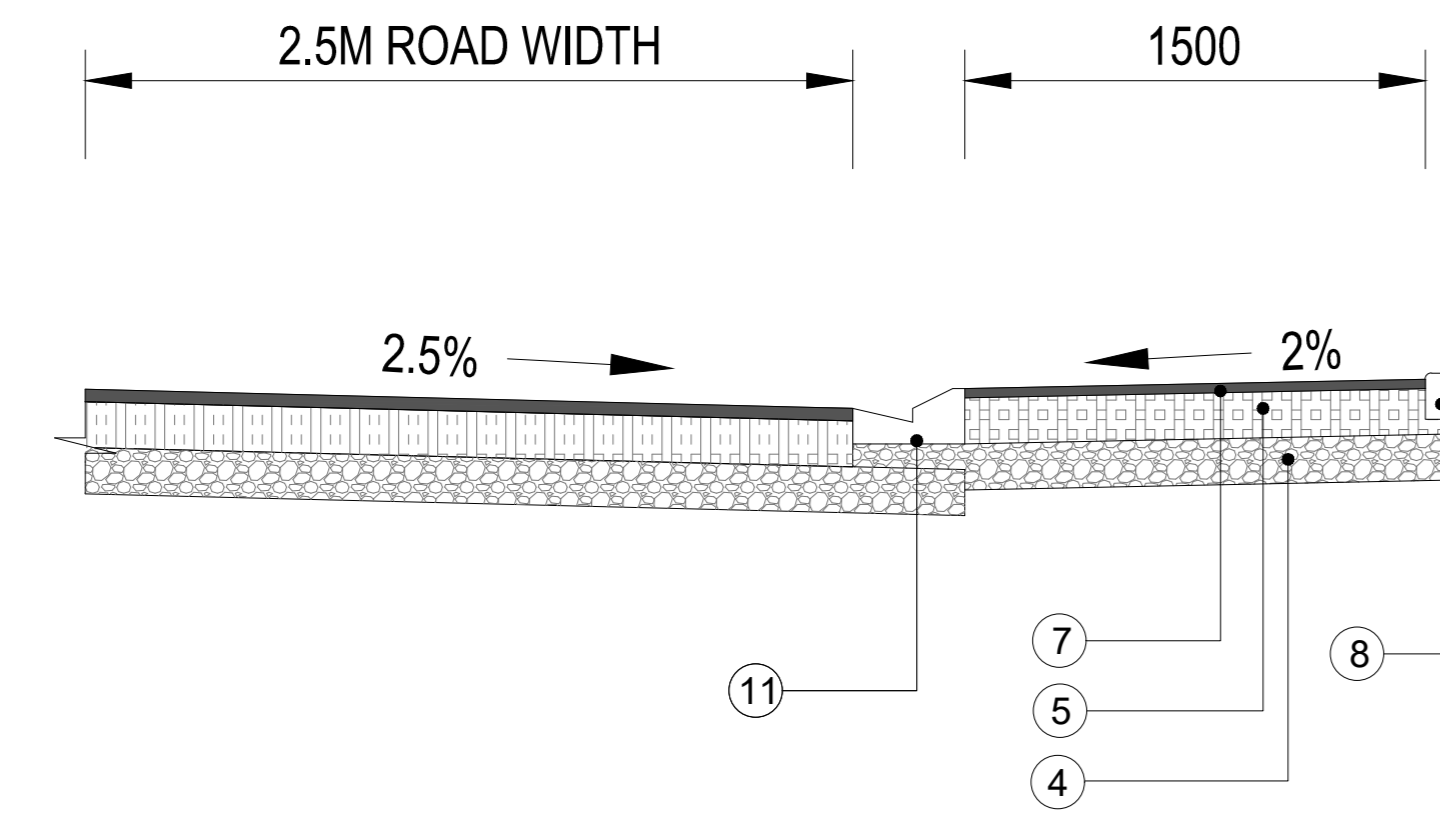
- LEBELS DESCRIPTION:**
- ① 80mm Interlocking Pavers to be coloured or similar approved
  - ② 20mm bituminous surface
  - ③ 200mm thick 25/ 19 MPa concrete
  - ④ 150mm G7 In-situ Roadbed or Imported, 93% MOD
  - ⑤ 150mm G5 gravel material base, 95% Mod
  - ⑥ 40mm Continuously Graded Asphalt (10mm)
  - ⑦ 30mm Continuously Graded Asphalt (7.1mm)
  - ⑧ Figure 11 kerb
  - ⑨ Figure 4 kerb
  - ⑩ Figure 14 kerb
  - ⑪ CK5 COMBINATION KERB
  - ⑫ MK10 MOUNTABLE KERB
  - ⑬ 20 mm Bedding Sand
  - ⑭ 60mm Interlocking Pavers to be coloured or similar approved
  - ⑮ 150mm G4, 98% MOD



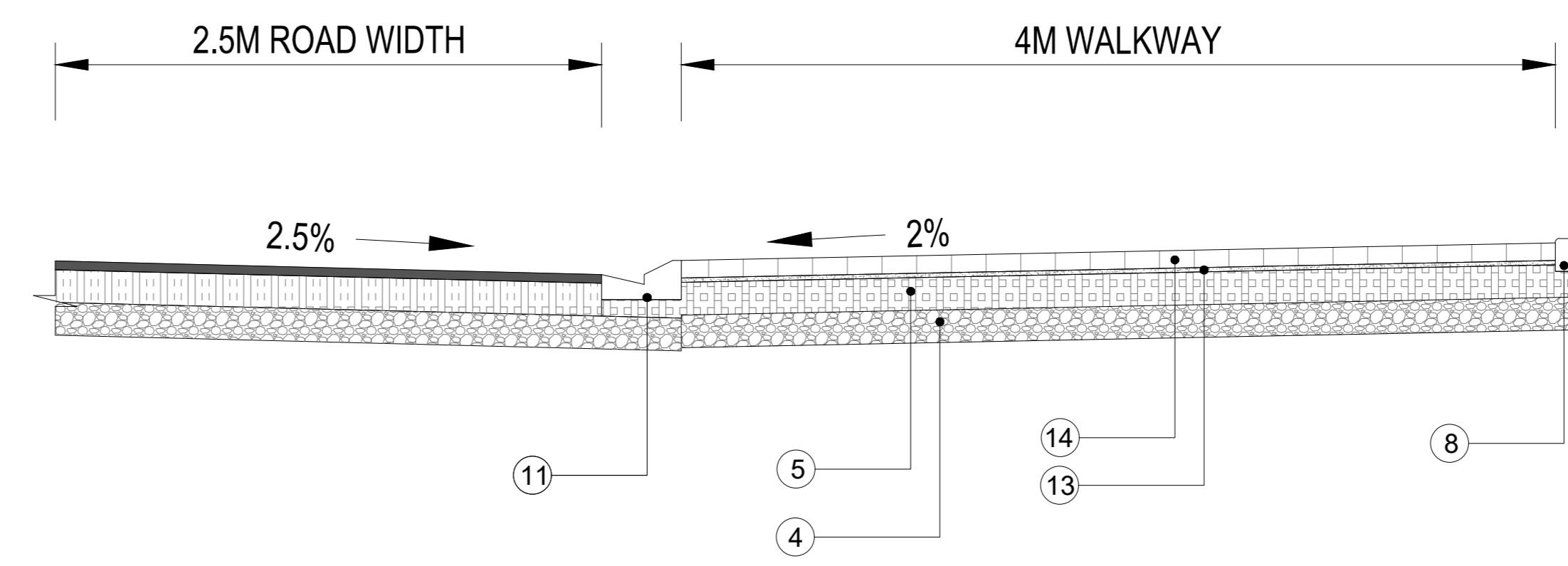
TYPICAL CROSS SECTION FOR A RAISED PEDESTRIAN CROSSING  
NTS  
**DETAIL A**



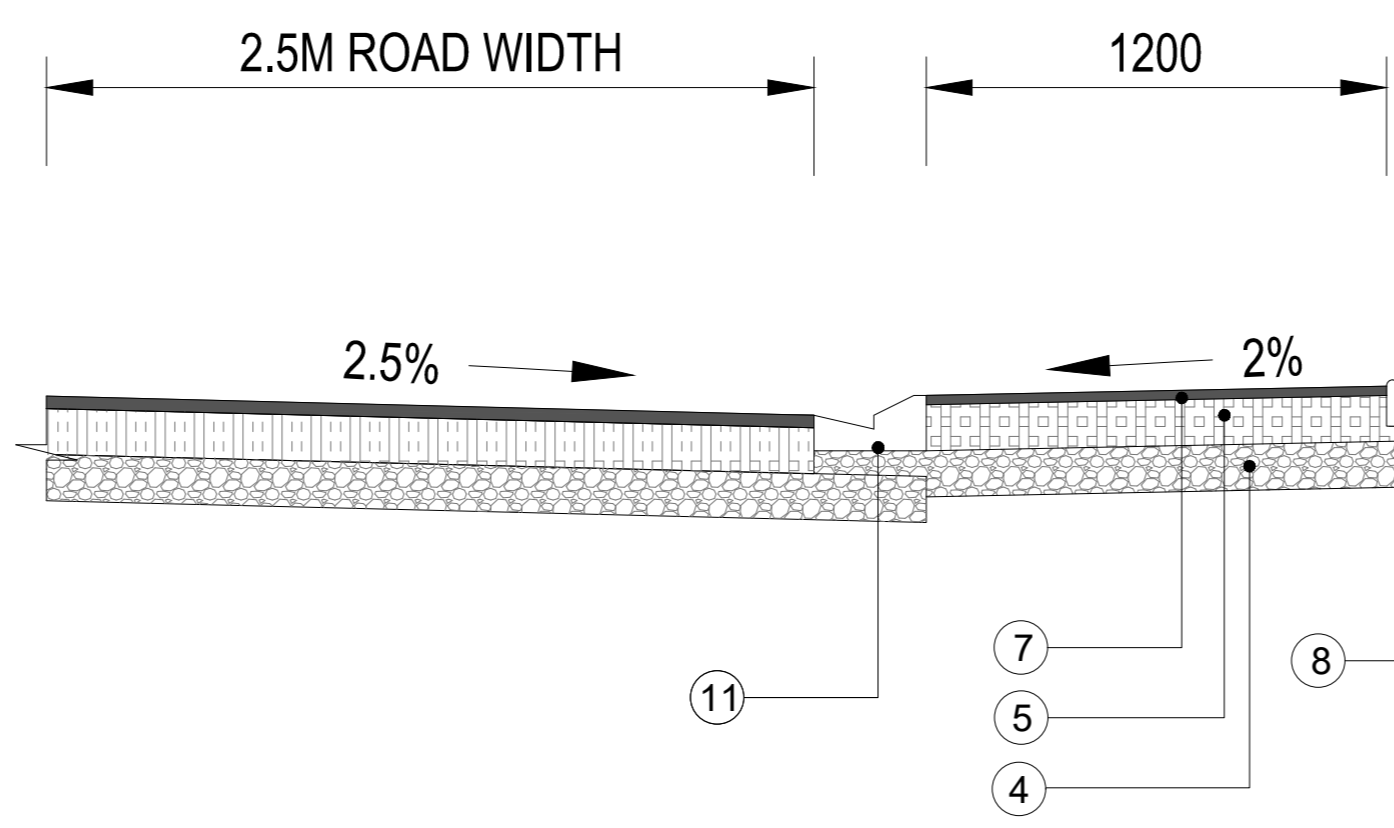
TYPICAL CROSS SECTION FOR A SIDEWALK + EMBAYMENT + ROAD  
NTS  
**DETAIL B**



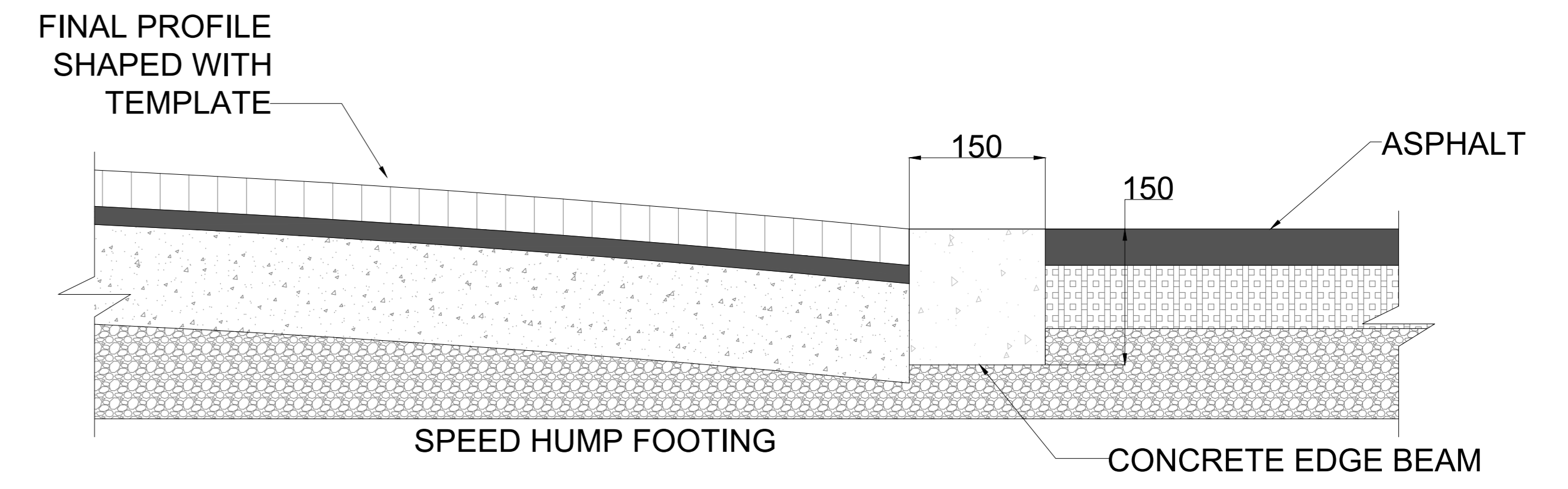
TYPICAL CROSS SECTION FOR A 1.5 M SIDEWALK + ROAD  
NTS  
**DETAIL C**



TYPICAL CROSS SECTION FOR A 4M WIDE AND 50M LONG WALKWAY  
NTS  
**DETAIL D**



TYPICAL CROSS SECTION FOR A 1.2 M SIDEWALK + ROAD  
NTS  
**DETAIL E**



**DETAIL F**  
NTS

**UPGRADING OF BREEDVALLEY SIDEWALKS**

**TYPICAL DETAIL: SIDE WALK**

INFORMATION MANAGEMENT		DATE	SCALE
DESIGNED P. SHAZI PR No: 2023601004		2025/07/25	AS SHOWN
DRAWN F. MATHEBE		SHEET NO: 1 OF 1	CONSULTANT PROJECT NO: 01-2025-RD
CHECKED T. MALAKA PR No: 201370136		REV: B	DISC: CIVIL
		DWG SIZE A1	DRAWING NUMBER CIV-100-TD-001

AMENDMENTS				
REV	DATE	APPROVED	DESCRIPTION	BY
A	2025/07/25	T. MALAKA	ISSUED FOR STAGE 3 APPROVAL	H.F.M
B	2026/02/13	T. MALAKA	ISSUED FOR STAGE 3 APPROVAL	H.F.M

**CONSULTANT:**

2MC CONSULTING ENGINEERS  
THE COLOSSESEUM FOYER 3,  
1ST FLOOR, CENTURY WAY CITY  
CAPE TOWN  
7441

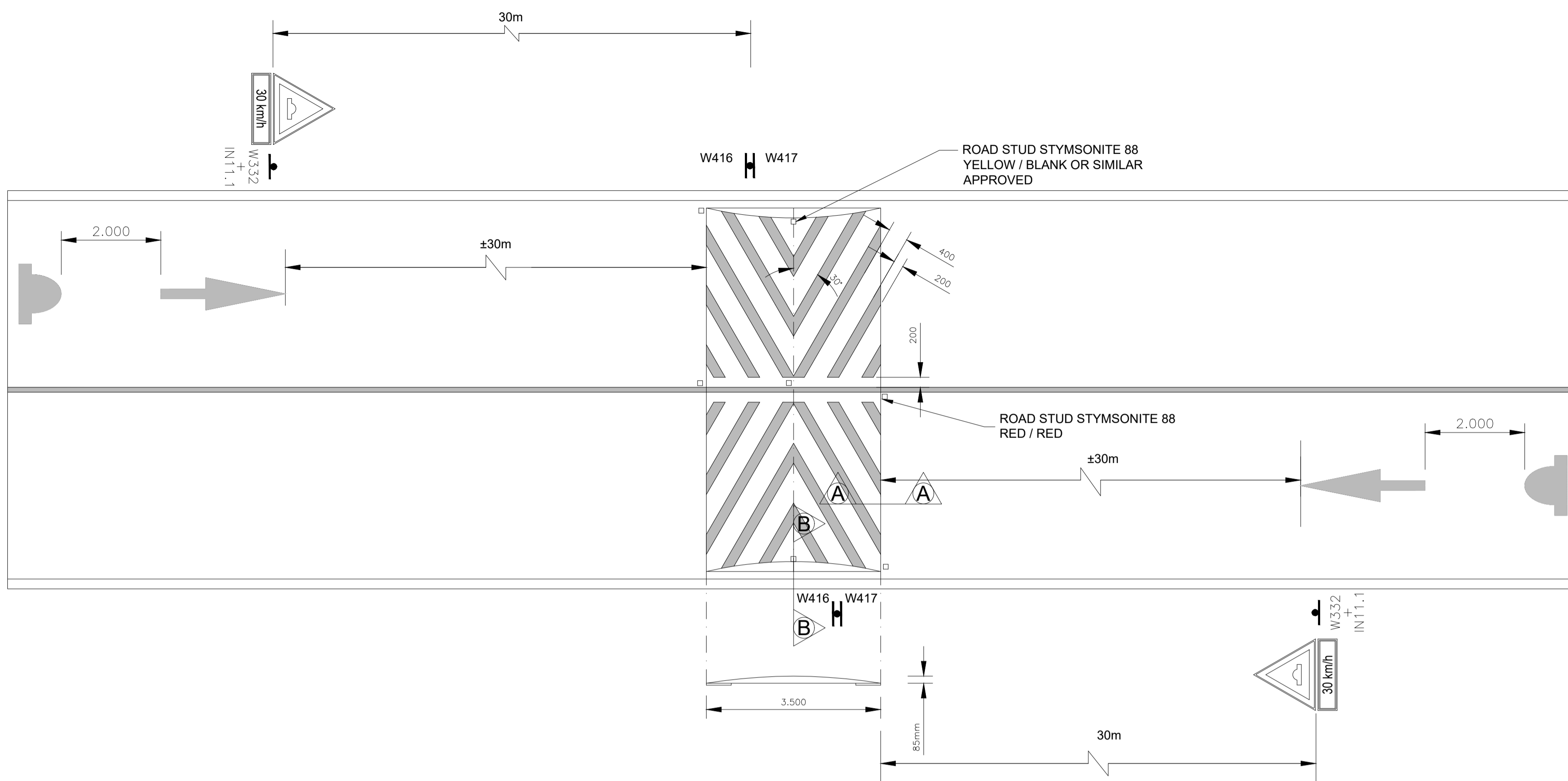


Postal Address  
PO BOX 98  
HENBYL  
1903  
TEL: 086 026 2266  
CELL: 063 289 7706

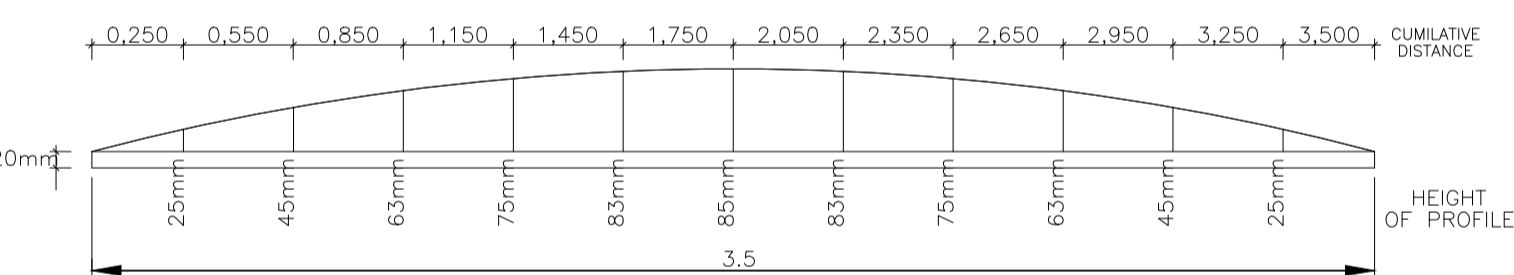
**CLIENT:**

CAPE WINDELANDS DISTRICT MUNICIPALITY  
P.O BOX 91  
CAPE WINELANDS DISTRICT  
6850  
Tel: 023 348 2300  
Email: admin@capewineland.co.za

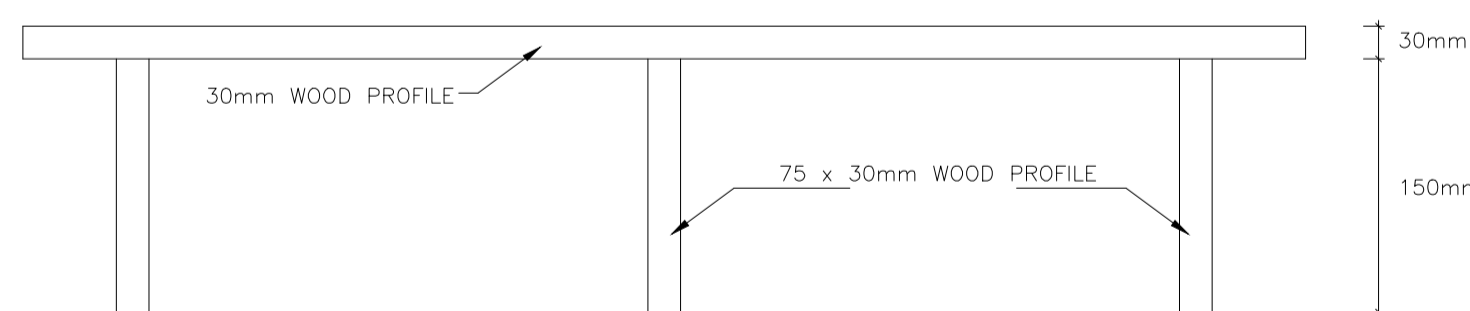




PLAN OF SPEED HUMP  
SCALE 1:100

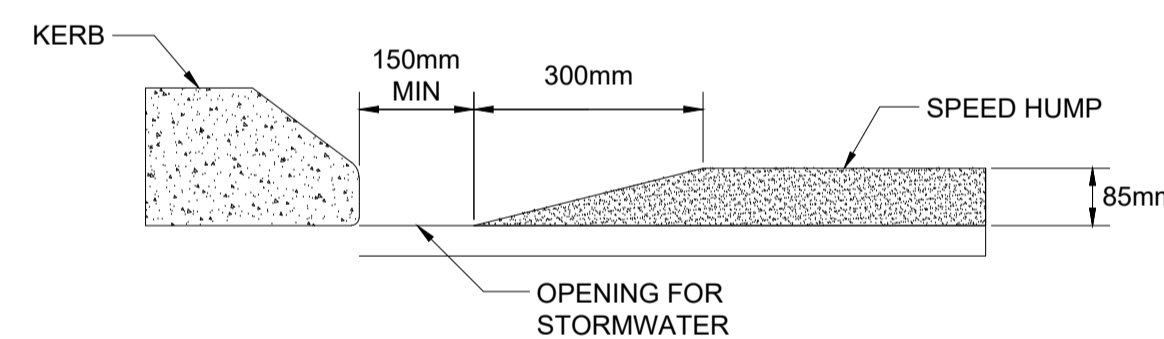


SIDE ELEVATION

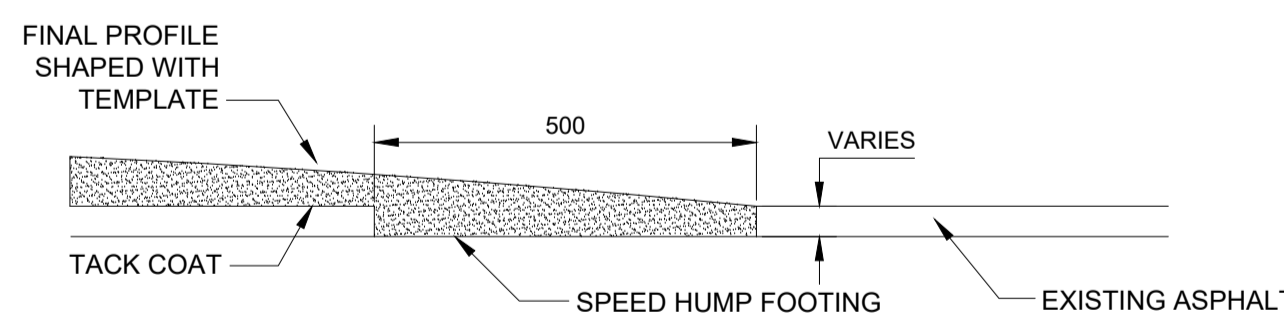


PLAN

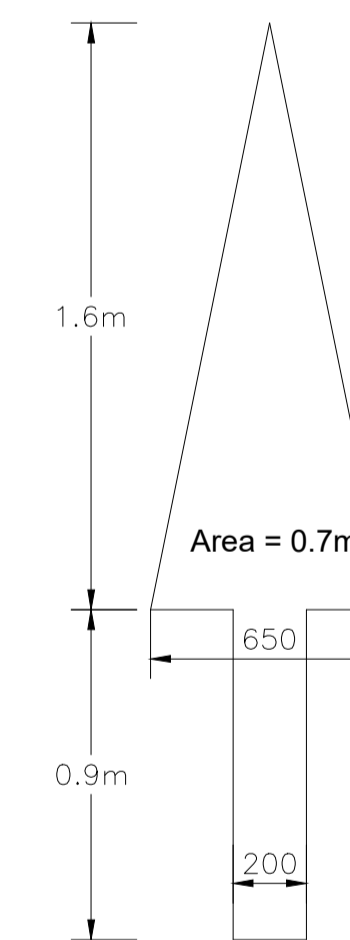
TEMPLATE DETAIL FOR CONSTRUCTION OF SPEED HUMP  
SCALE 1:20



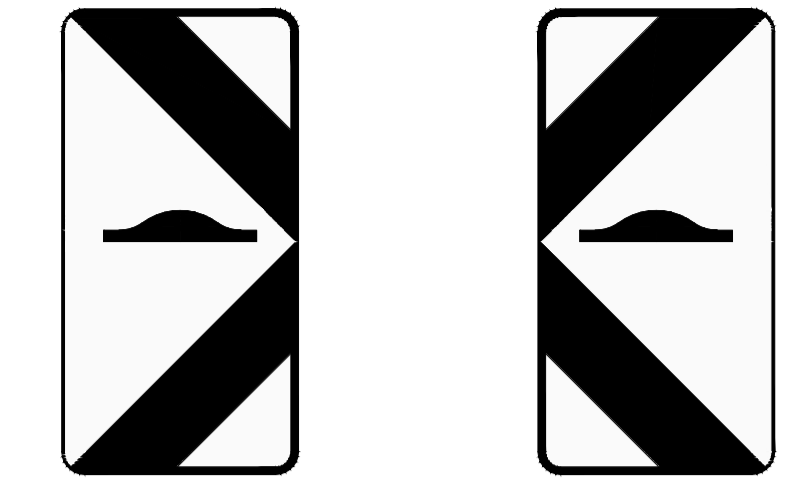
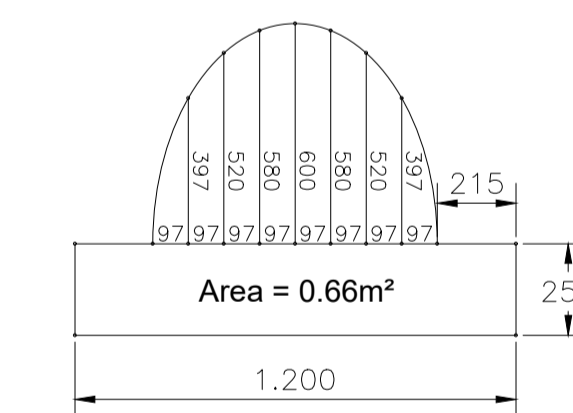
SECTION "A-A"  
CONSTRUCTION DETAIL OF SPEED HUMP  
SCALE 1:100



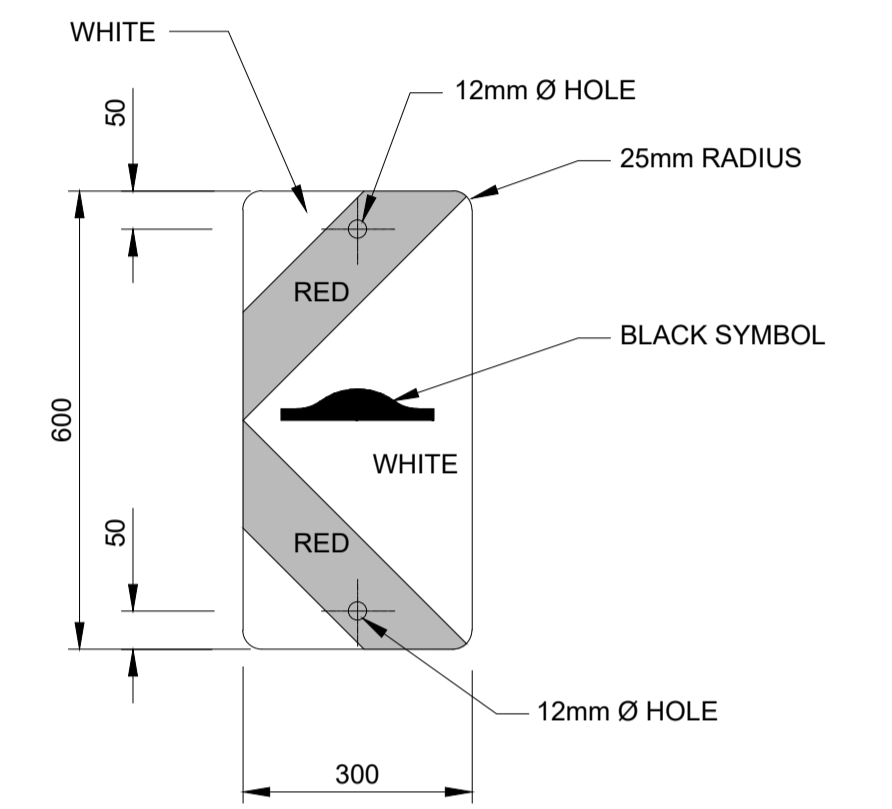
SECTION "B-B"  
CONSTRUCTION DETAIL OF SPEED HUMP  
SCALE 1:100



TEMPLATE DETAIL FOR CONSTRUCTION OF SPEED HUMP  
AHEAD ROAD MARKING  
SCALE 1:20



NOTE:  
HIGH INTENSITY GRADE  
RETRO-REFLECTIVE SHEETING  
1.4 CHROMEDECK BACKINGPLATE



DANGER PLATE SPEED HUMP (RIGHT)  
W417  
SCALE 1:10

TYPICAL SPEED HUMP DETAILS

REV	DATE	APPROVED	DESCRIPTION	BY
A	2025/10/31	T.MALAKA	ISSUED FOR STAGE 3 APPROVAL	H.F.M

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2MC CONSULTING ENGINEERS  
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1ST FLOOR, CENTURY WAY CITY  
CAPE TOWN  
7441

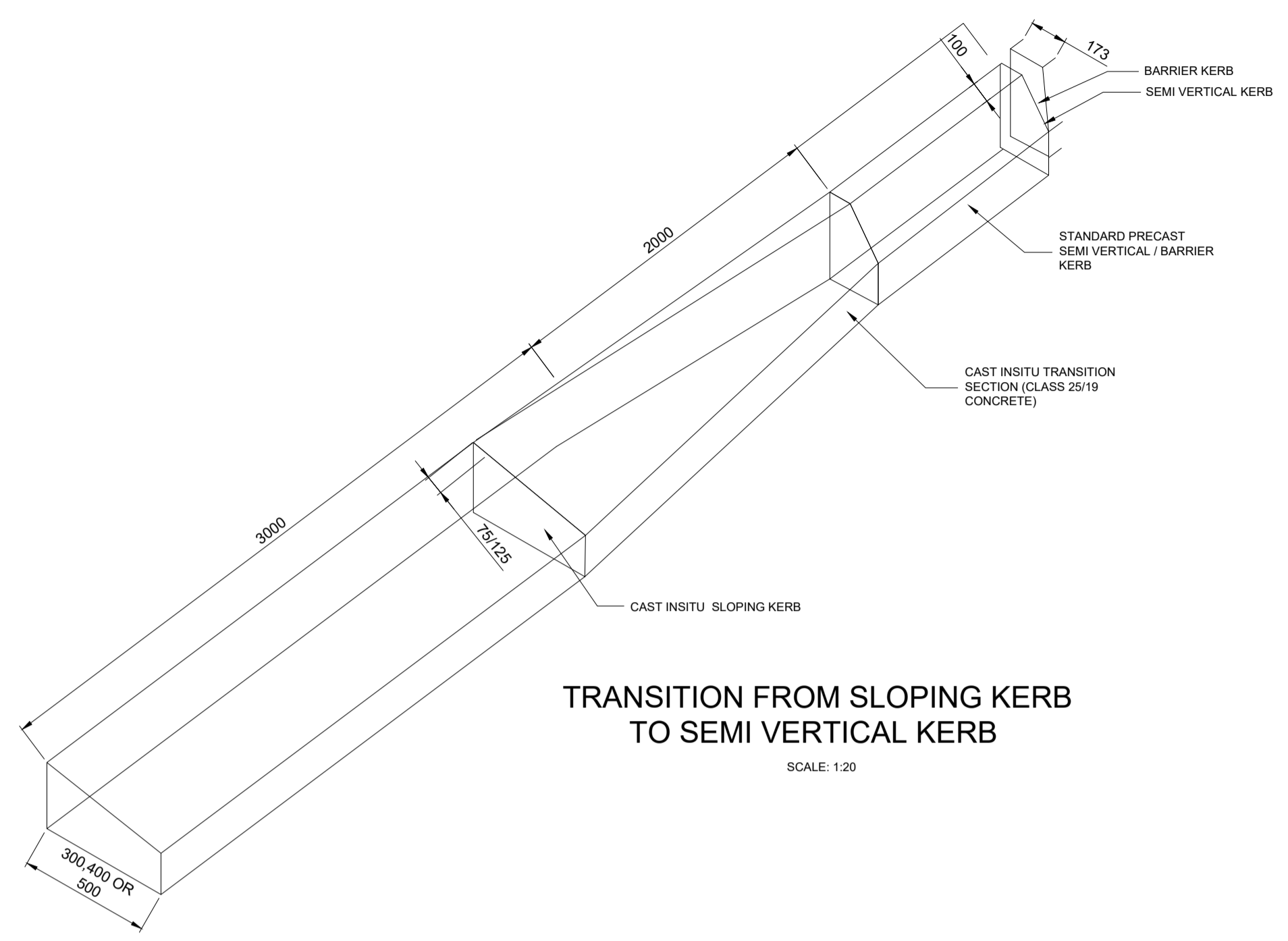
Postal Address  
PO BOX 98  
HENBYL  
1903  
TEL: 086 026 2266  
CELL: 063 289 7706

**CLIENT:**  
CAPE WINELANDS DISTRICT  
MUNICIPALITY  
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Tel: 023 348 2300  
Email: admin@capewinelands.co.za

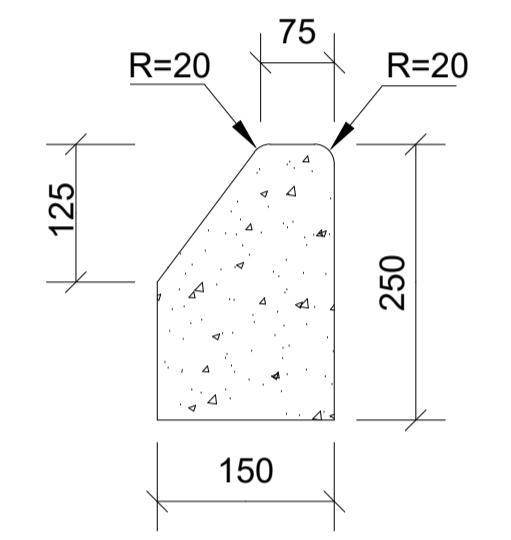
**UPGRADING OF BREEDVALLEY SIDEWALKS**

INFORMATION MANAGEMENT	DATE 2025/10/31	SCALE AS SHOWN
DESIGNED P.SHAZI	SHEET NO: 1 OF 1	CONSULTANT PROJECT NO: 01-2025-RD
PR No: 2023601004	REV: A	DISC: CIVIL
DRAWN F.MATHEBE	DWG SIZE A1	DRAWING NUMBER CIV-100-TD-002-1
CHECKED T.MALAKA		
PR No: 201370136		

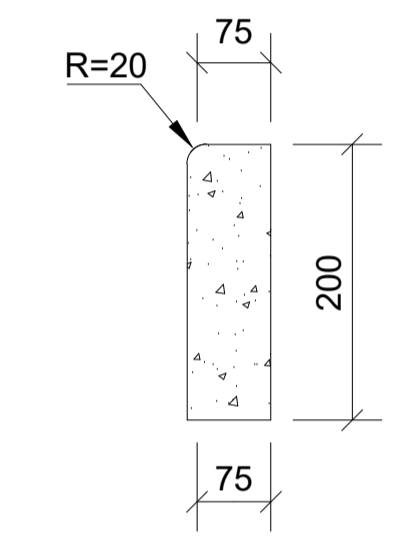
- NOTES:-**
1. THE V-DRAIN IS CONCRETE LINED AND RECOMMENDED FOR T-JUNCTIONS AT THE BELLMOUTH (START OR END OF THE ROAD) A POINT 6m FROM THE EDGE OF CARRIAGEWAY.
  2. CONSTRUCTION JOINTS SHALL BE PROVIDED AT 2m INTERVALS ALL PANEL ENDS SHALL BE PAINTED WITH A COAT OF APPROVED BITUMINOUS EMULSION CONTAINING 60% PURE BITUMEN BY MASS BEFORE ANY ADJOINING PANELS ARE CAST. 10mm WIDE EXPANSION JOINTS SEALED WITH A CLOSED CELL EXPANDED POLYETHYLENE JOINT FILLER OVER THE FULL PANEL DEPTH SHALL BE PROVIDED EVERY 20m.
  5. CONCRETE TO BE 25 MPa MINIMUM.



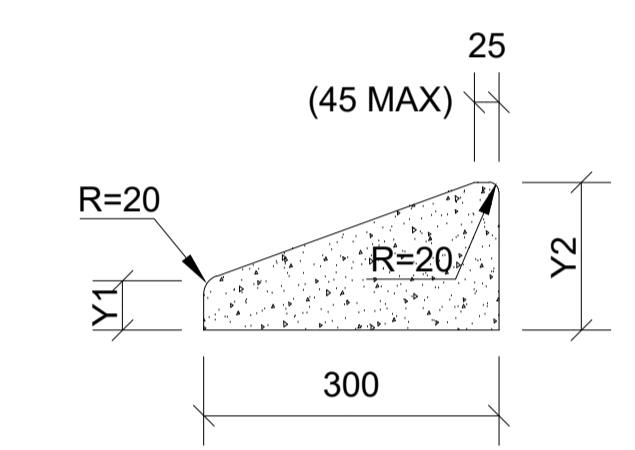
**TRANSITION FROM SLOPING KERB TO SEMI VERTICAL KERB**  
SCALE: 1:20



**FIG.4 SEMI-MOUNTABLE**



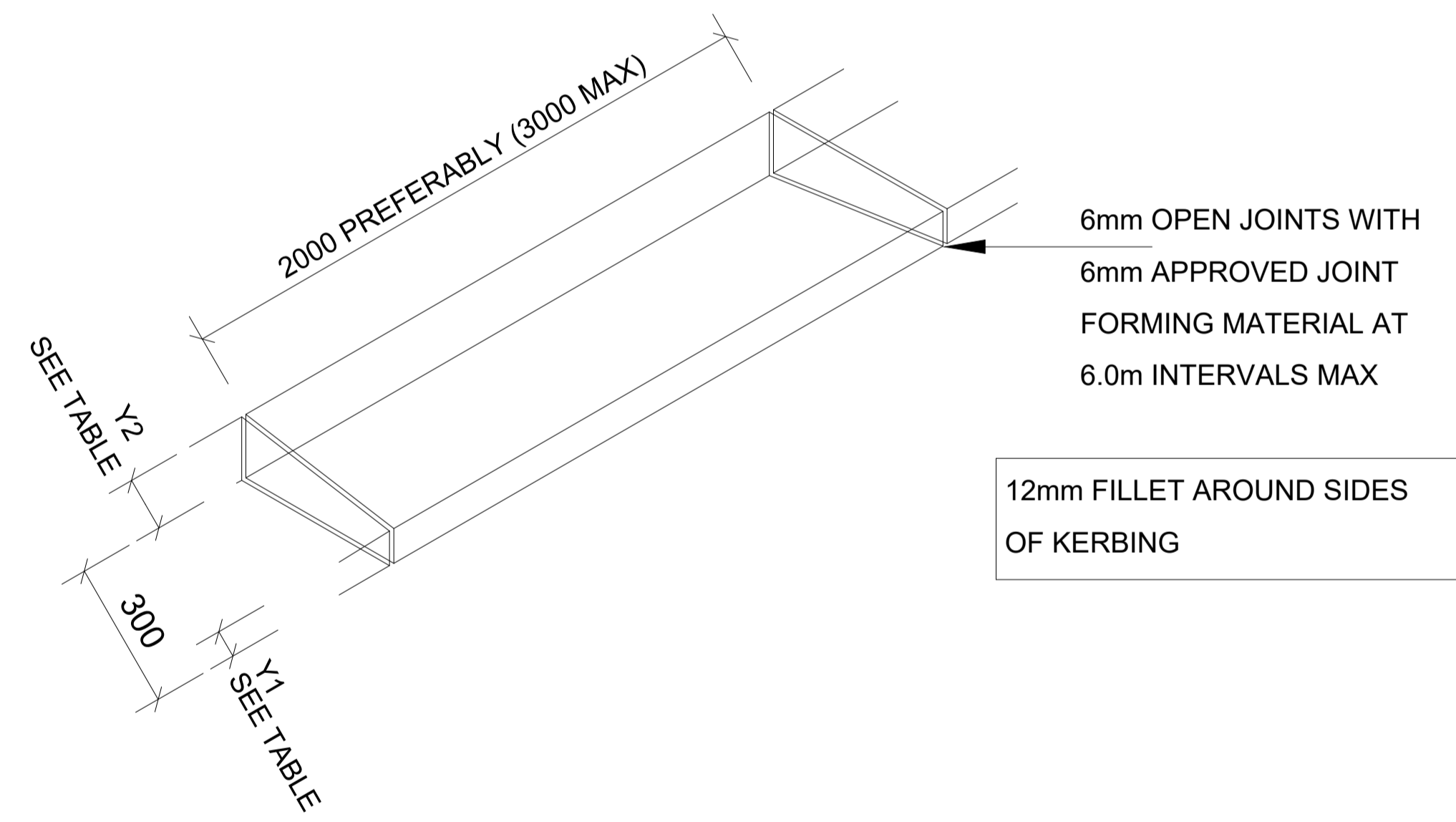
**FIG.11 SEMI-MOUNTABLE**



**FIG.14 MOUNTABLE**

FIGURE	DIMENSIONS (mm)	
	Y1	Y2
14	90	125

**KERBS TO SABS 927-1969**  
SCALE 1 : 10



**FIG. 14 ISOMETRIC VIEW ALONG STRAIGHT OF SLOPE KERBING NOT TO SCALE**

REV	DATE	APPROVED	DESCRIPTION	BY
A	2025/10/31	T.MALAKA	ISSUE FOR STAGE 3 APPROVAL	H.F.M

**CONSULTANT:**  
2MC CONSULTING ENGINEERS  
THE COLOSSESEUM FOYER 3,  
1ST FLOOR, CENTURY WAY CITY  
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UPGRADING OF BREEDVALLEY SIDEWALKS		
<b>KERB DETAILS</b>	INFORMATION MANAGEMENT	DATE SCALE 2025/10/31 AS SHOWN
	DESIGNED P.SHAZI PR NO: 2023601004	SHEET NO: 1 OF 1
	DRAWN F.MATHEBE	CONSULTANT PROJECT NO: 01-2025-RD
	CHECKED T.MALAKA PR No: 201370136	REV: DISC: DWG SIZE A CIVIL A1 DRAWING NUMBER CIV-100-TD-002